

CLAIMS:

1. A composition comprising:
a terpolymer of an ethylene-propylene-diene monomer;
a flame retardant; and
an antimicrobial agent.
2. The composition of claim 1 further comprising a flame retardant synergist.
3. The composition of claim 1, wherein the flame retardant comprises 1,2 bis(tetrabromophthalimide) ethane.
4. The composition of claim 1, wherein the antimicrobial agent comprises a salt complex of pyrithione.
5. The composition of claim 1, wherein:
the terpolymer of the ethylene-propylene-diene monomer constitutes about 30.0% to about 80.0% by weight of the composition;
the flame retardant constitutes about 10.0% to about 30.0% by weight of the composition; and
the antimicrobial agent constitutes about 0.1% to about 0.4% by weight of the composition.
6. The composition of claim 1 further comprising filler material selected from silica, clay, and combinations thereof.
7. The composition of claim 6 further comprising a silane coupling agent.
8. The composition of claim 1 further comprising a peroxide.
9. The composition of claim 8 further comprising an acrylic co-agent.

10. The composition of claim 8 further comprising zinc oxide.
11. A composition of claim 1 further comprising:
 - a flame retardant synergist;
 - an antioxidant; and
 - hydrocarbon oil.
12. The composition of claim 11, wherein the flame retardant comprises 1,2-bis(tetrabromophthalimide) ethane.
13. The composition of claim 11, wherein the antimicrobial agent comprises a salt complex of pyrithione.
14. The composition of claim 11, wherein:
 - the terpolymer of the ethylene-propylene-diene monomer constitutes about 30.0% to about 80.0% by weight of the composition;
 - the flame retardant constitutes about 10.0% to about 30.0% by weight of the composition;
 - the flame retardant synergist constitutes about 1.0% to about 4.0% by weight of the composition;
 - the antimicrobial agent constitutes about 0.1% to about 0.4% by weight of the composition;
 - the antioxidant constitutes about 0.5% to about 2.0% by weight of the composition; and
 - the hydrocarbon oil constitutes about 10.0% to about 25.0% by weight of the composition, based on the total weight of the composition.
15. The composition of claim 11 further comprising filler material selected from silica, clay, and combinations thereof.

16. The composition of claim 15 further comprising a silane coupling agent.
17. The composition of claim 11 further comprising a peroxide.
18. The composition of claim 17 further comprising an acrylic co-agent.
19. The composition of claim 17 further comprising zinc oxide.
20. The composition of claim 11 further comprising a pigment and an energy beam absorber.
21. The composition of claim 20, wherein the energy beam absorber comprises a laser beam absorber.
22. An article having a surface, the article comprising:
a mixture of a terpolymer of an ethylene-propylene-diene monomer, a flame retardant, an antimicrobial agent, a pigment, and an energy beam absorber; and
focused energy beam-induced indicia located on the surface.
23. The article of claim 22, wherein the article comprises a tubular article, and wherein the surface comprises an outer surface.
24. The article of claim 22 further comprising a flame retardant synergist.
25. The article of claim 24, wherein the flame retardant comprises 1,2 bis(tetrabromophthalimide) ethane.
26. The article of claim 24, wherein the antimicrobial agent comprises a salt complex of pyrithione.

27. The article of claim 22, wherein the focused energy beam comprises a laser, and wherein the energy beam absorber comprises a laser beam absorber.

28. A tubular article in an expanded state having an outer surface, the tubular article comprising:

a mixture comprising a terpolymer of an ethylene-propylene-diene monomer, a flame retardant, an antimicrobial agent, a pigment, and an energy beam absorber; and
focused energy beam-induced indicia located on the outer surface, wherein the tubular article is capable of being placed in a relaxed state, and wherein the indicia is legible to an unaided eye of an individual with 20/20 vision located at least about 32 centimeters away from the indicia when the tubular article is in the expanded state and when the tubular article is in the relaxed state.

29. The article of claim 28 further comprising a flame retardant synergist.

30. The article of claim 28, wherein the energy beam absorber comprises a laser beam absorber.

31. A method of marking a tubular article having an outer surface, the method comprising:

providing the tubular article, the tubular article comprising a terpolymer of an ethylene-propylene-diene monomer, a flame retardant, an antimicrobial agent, a pigment, and an energy beam absorber;
expanding the tubular article from a relaxed state to an expanded state;
forming indicia on the outer surface with a focused energy beam; and
allowing the tubular article to cold shrink from the expanded state.

32. The method of claim 31, wherein providing the tubular article comprises extruding and cross-linking a mixture that comprises the terpolymer of the ethylene-

propylene-diene monomer, the flame retardant, the antimicrobial agent, the pigment, and the energy beam absorber to form the tubular article.

33. The method of claim 31, wherein the focused energy beam comprises a laser beam.